

Claims

1. A media delivering apparatus which delivers media data to a media receiving apparatus by way of a network,
5 characterized in that said apparatus comprises:

a parameter acquiring unit for acquiring at least one of a communication capability of said network, and a receiving capability of said media receiving apparatus;

10 a media selecting unit for selecting media data to be delivered based on both a degree of media importance assigned to each of said media data and at least the one of said communication capability of said network and said receiving capability of said media receiving apparatus;

15 a transmission-data generating unit for generating metadata in which both address information indicating a location of said selected media data and presentation layout information indicating a presentation layout of said media receiving apparatus which is determined based on both the degree of media importance of said selected media data and at least
20 the one of said communication capability of said network and said receiving capability of said media receiving apparatus are described;

a data transmitting unit for delivering said metadata to said media receiving apparatus by way of said network; and

25 a media communication unit for delivering said media data in response to a request from said media receiving apparatus which has received said metadata.

2. The media delivering apparatus according to Claim 1,
30 characterized in that said apparatus comprises a importance

change monitoring unit for changing said degree of media importance in response to a change indication for changing said degree of media importance, and for notifying the change in said degree of media importance to the media selecting unit, and
5 characterized in that said media selecting unit selects the media data to be delivered based on both the changed degree of media importance and at least the one of the communication capability of the network and the receiving capability of the media receiving apparatus, the transmission-data generating
10 unit generates the metadata in which both the address information indicating the location of said selected media data which is selected based on both the changed degree of media importance and the presentation layout information indicating the presentation layout of said media receiving apparatus which
15 is determined based on both the changed degree of media importance of said selected media data and at least the one of said communication capability of said network and said receiving capability of said media receiving apparatus are described, and the data transmitting unit delivers said changed
20 metadata.

3. The media delivering apparatus according to Claim 1, characterized in that said apparatus comprises a importance change monitoring unit for changing said degree of media
25 importance in response to a change indication for changing said degree of media importance, and for notifying the change in said degree of media importance to the media selecting unit, and characterized in that said media selecting unit selects the media data to be delivered based both the changed degree of media
30 importance and at least the one of the communication capability

of the network and the receiving capability of the media receiving apparatus, the transmission-data generating unit generates a change command for changing the metadata which is generated before said degree of media importance is changed
5 based on both the changed degree of media importance and at least the one of the communication capability of the network and the receiving capability of the media receiving apparatus, and the data transmitting unit delivers said change command.

10 4. The media delivering apparatus according to Claim 1, characterized in that the transmission-data generating unit describes metadata including synchronization information indicating a timing for switching between screen displays in the media receiving apparatus in the metadata.

15 5. The media delivering apparatus according to Claim 1, characterized in that the transmission-data generating unit describes metadata including conditional branching information about at least the one of the communication
20 capability of the network and the receiving capability of the media receiving apparatus which are used for determining the presentation layout of the media receiving apparatus.

6. A media delivering apparatus which delivers media data
25 to a media receiving apparatus by way of a network, characterized in that said apparatus comprises:

a parameter acquiring unit for acquiring at least one of a communication capability of said network, and a receiving capability of said media receiving apparatus;

30 a media selecting unit for selecting media data to be

delivered based on both a time-varying degree of media importance which is assigned to each of said media data, and at least the one of said communication capability of said network and said receiving capability of said media receiving
5 apparatus;

a transmission-data generating unit for generating metadata in which both address information indicating a location of said selected media data and presentation layout information indicating a presentation layout of said media
10 receiving apparatus which is determined based on both the time-varying degree of media importance of said selected media data and at least the one of said communication capability of said network and said receiving capability of said media receiving apparatus are described;

15 a data transmitting unit for delivering said metadata to said media receiving apparatus by way of said network; and

a media communication unit for delivering said media data based in response to a request from said media receiving apparatus which has received said metadata.

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7. A media delivering apparatus which delivers media data to a media receiving apparatus by way of a network, characterized in that said apparatus comprises:

a parameter acquiring unit for acquiring at least one of
25 a communication capability of said network, and a receiving capability of said media receiving apparatus;

a media selecting unit for selecting media data to be delivered based on both a time-varying degree of media importance which is assigned to each of said media data, and
30 at least the one of said communication capability of said

network and said receiving capability of said media receiving apparatus;

5 a transmission-data generating unit for generating initial metadata at a time of start of presentation, in which both address information indicating a location of said selected media data and presentation layout information indicating a presentation layout of said media receiving apparatus which is determined based on both the time-varying degree of media importance of said selected media data and at least the one of
10 said communication capability of said network and said receiving capability of said media receiving apparatus are described, and for generating a change command for changing said initial metadata according to a variation with time of said degree of media importance;

15 a data transmitting unit for delivering said initial metadata and said change command to said media receiving apparatus by way of said network; and

a media communication unit for delivering said media data based in response to a request from said media receiving
20 apparatus which has received said initial metadata and said change command.

8. A media receiving apparatus which receives media data delivered thereto by way of a network, characterized in that
25 said apparatus comprises:

a data receiving unit for, based on both a degree of media importance assigned to each of said media data and at least one of a communication capability of said network and a receiving capability of said media receiving apparatus, receiving
30 metadata in which both address information indicating a

location of media data to be delivered and presentation layout information indicating a presentation layout of said media receiving apparatus are described;

5 a data analyzing unit for analyzing said metadata received by said data receiving unit;

an RTSP communication unit for making a request for delivery of said media data based on the address information described in said metadata analyzed by said data analyzing unit; a media receiving unit for receiving the media data delivered
10 to said media receiving apparatus; and

a media display unit for presenting the received media data based on the presentation layout information described in said metadata analyzed by said data analyzing unit.

15 9. The media receiving apparatus according to Claim 8, characterized in that the data receiving unit receives a change command for changing the received metadata as the degree of media importance is changed, and the data analyzing unit interprets said change command received by said data receiving
20 unit, and updates said received metadata.